

(43) **Pub. Date:**

24, 2012.

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2020/0066388 A1 Kamen et al.

(54) PILL DISPENSER

(71) Applicant: DEKA Products Limited Partnership, Manchester, NH (US)

(72) Inventors: **Dean Kamen**, Bedford, NH (US); James G. Turner, Manchester, NH (US); Erik N. Sabin, Manchester, NH (US); Gregg W. Rivinius, Bedford, NH (US); David E. Collins, Amesbury, MA (US); Benjamin Zaslow, Brookiyn, NY (US); Jonathan Zobro, Grand Rapids, MI (US); Alexander R. Therrien, Zionsviiie, IN (US); Jared N. Fallow,

Boston, MA (US)

(21) Appl. No.: 16/668,172

(22) Filed: Oct. 30, 2019

Related U.S. Application Data

Continuation of application No. 16/239,755, filed on Jan. 4, 2019, now Pat. No. 10,468,132, which is a continuation of application No. 15/270,321, filed on Sep. 20, 2016, now Pat. No. 10,185,812, which is a continuation of application No. 15/077,389, filed on Mar. 22, 2016, now Pat. No. 9,465,919, which is a continuation of application No. 13/723,235, filed on Dec. 21, 2012, now Pat. No. 9,400,873, which is a continuation-in-part of application No. 13/333,574, filed on Dec. 21, 2011, now Pat. No. 10,453,157, which is a continuation-in-part of application No. PCT/US11/66588, filed on Dec. 21, 2011.

Provisional application No. 61/578,649, filed on Dec. 21, 2011, provisional application No. 61/578,658, filed on Dec. 21, 2011, provisional application No. 61/578,674, filed on Dec. 21, 2011, provisional application No. 61/679,117, filed on Aug. 3, 2012, provisional application No. 61/651,322, filed on May

Feb. 27, 2020

Publication Classification

(51) Int. Cl. G16H 20/13 (2006.01)G06Q 50/22 (2006.01)G16H 10/60 (2006.01)G06F 21/32 (2006.01)G06K 9/00 (2006.01)H04N 5/225 (2006.01)G16H 20/17 (2006.01)G16H 20/10 (2006.01)G16H 40/63 (2006.01)

U.S. Cl. (52)

> CPC G16H 20/13 (2018.01); G06Q 50/22 (2013.01); G16H 10/60 (2018.01); G06F 21/32 (2013.01); G16H 40/63 (2018.01); H04N 5/2257 (2013.01); G16H 20/17 (2018.01); G16H 20/10 (2018.01); G06K 9/00255 (2013.01)

ABSTRACT

A pill dispenser is disclosed that includes a pill-dispensing mechanism, a receptacle, an identifying camera positioned to capture an image of an area adjacent to the pill dispenser, and a processor in operative communication with the pilldispensing mechanism and the identifying camera.

